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DESCRIPTORS: *Dyes, *Textiles, Processing,
*Ultrasonics, *Vibration.

Vibrations of 0.1, 3, 22, 175 and 500 kc/sec were used on viscose, cotton, wool, silk, Perlon, and other fabrics. Dyeing was accelerated and the depth of color increased under sonic vibrations although the effect was insignificant with dense fabrics. Acceleration was furthered by simultaneous mechanical vibration. The effect at various ultrasonic frequencies depended upon the fabrics, but it was greater than with sonic vibrations. The depth of shade increased with increasing intensity. Highly elastic vibrations intensified the
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